



PLANETREUSE



# Building Material Reuse:

## *Bridging the Gap Between Have & Need*

*Presented by Nathan Benjamin LEED-AP,  
PlanetReuse - Principal + Founder*



Omega Center for Spiritual Living  
*Rhinebeck, NY*

*Living Building Challenge & LEED Platinum Certified*



## Q: So what are the staggering statistics?

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- From this planet, humans currently produce over 85,000,000,000 tons/year
- It's estimated that 40% of that is construction waste
- 40% - that's 34 billion tons!
- Only 6-8% of all LEED projects have achieved Reuse Credits

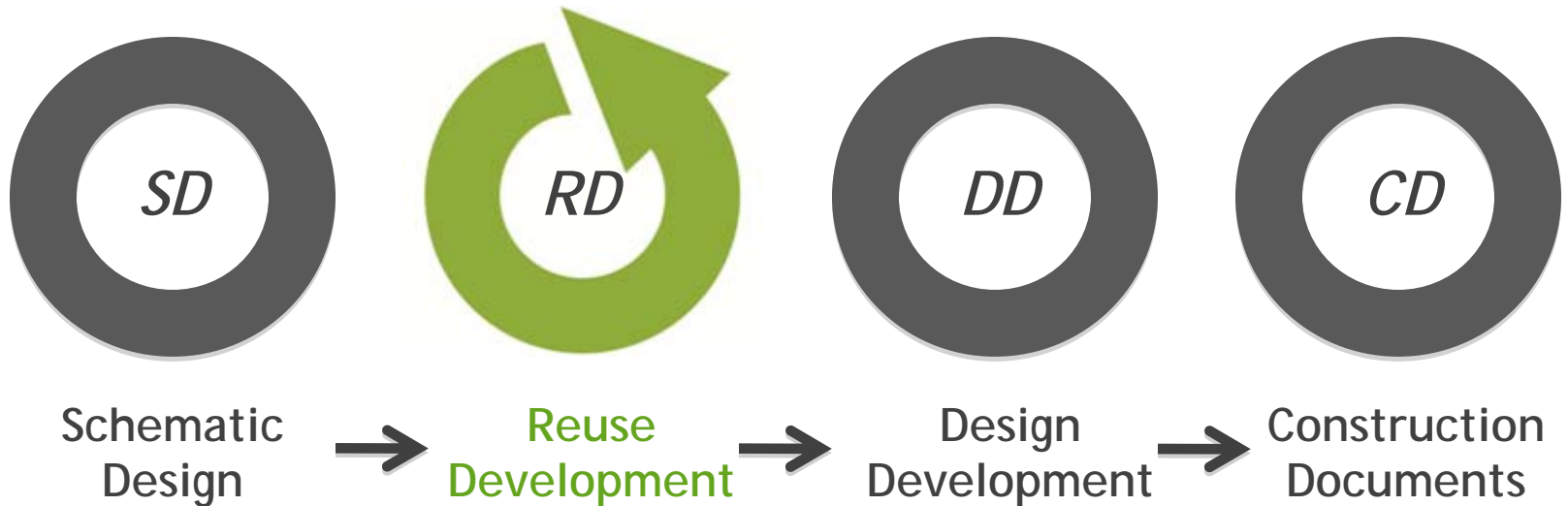


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- So what are the roadblocks that prevent material reuse and how does PlanetReuse overcome them?
  - How does PlanetReuse take the hard work out of the process?



# Road Block 1: How do I find the exact material I'm looking for while I'm working to hit design deadlines?

- Additional team member to source materials, running in parallel with the design team
- Early involvement in the design process, not just during the CD phase or construction



## Road Block 2: Aren't reclaimed materials expensive? How can I justify using them when we are trying to *cut* costs, not add them?

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- Not always “one-off” originals, common items
- Expanding network of national resources
- Competitive market
- Finding a new home prior to removal to reduce double-handling
- LEED MR3.1 and 3.2 credits



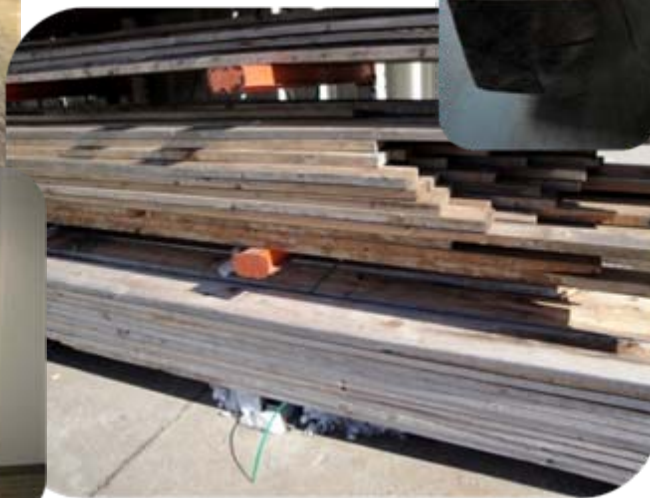
## Road Block 3: It's a lot of work, and I can't even reach the 5 percent goals for just one MR credit.

- Any percentage is a good percentage
- More than just wood; you name it, it can probably be reclaimed:
  - Brick/Masonry
  - Access flooring
  - Structural Steel
  - Carpet tile
  - Accessories
  - Solid Surfaces



# Road Block 3 (cont.): Reclaimed Material Examples

- Office furniture
- Light Fixtures
- Any Wood Materials
- Commercial Doors, Frames & Hardware
- You name it...





# Road Block 3 (cont.): Reclaimed Material Examples



# Roadblock 3 (cont.): So how do you really calculate the 5% for MR3.1 and 10% for MR3.2 ?

## Material Reuse Calculation Example:

Total Project Value:	\$1,000,000
Total cost Div. 2-10** (60%)	\$ 600,000
45% default calculation	\$ 270,000
5% requirement for MRc3.1	\$ 13,500
10% requirement for MRc3.2	\$ 27,000

\*\* can include furniture but if so, it must be carried across credits 3-7



## Road Block 4: I need to know exactly where my materials came from. How can I get accurate documentation for my LEED/LBC submittal?

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- Educating the deconstruction community; understanding the need
- Digital images
- Building relationships
- Organizations like BMRA and Reuse Alliance are raising the bar
  - Deconstruction training
  - Network/awareness building



## Road Block 5: Habitat ReStores and other not-for-profit outlets don't carry commercial material, so where do I find it?

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- Creating a demand
- Finding a new home for materials before removal
- Commercial reuse is not competition
  - More job opportunities
  - New revenue stream
  - Tax deductions



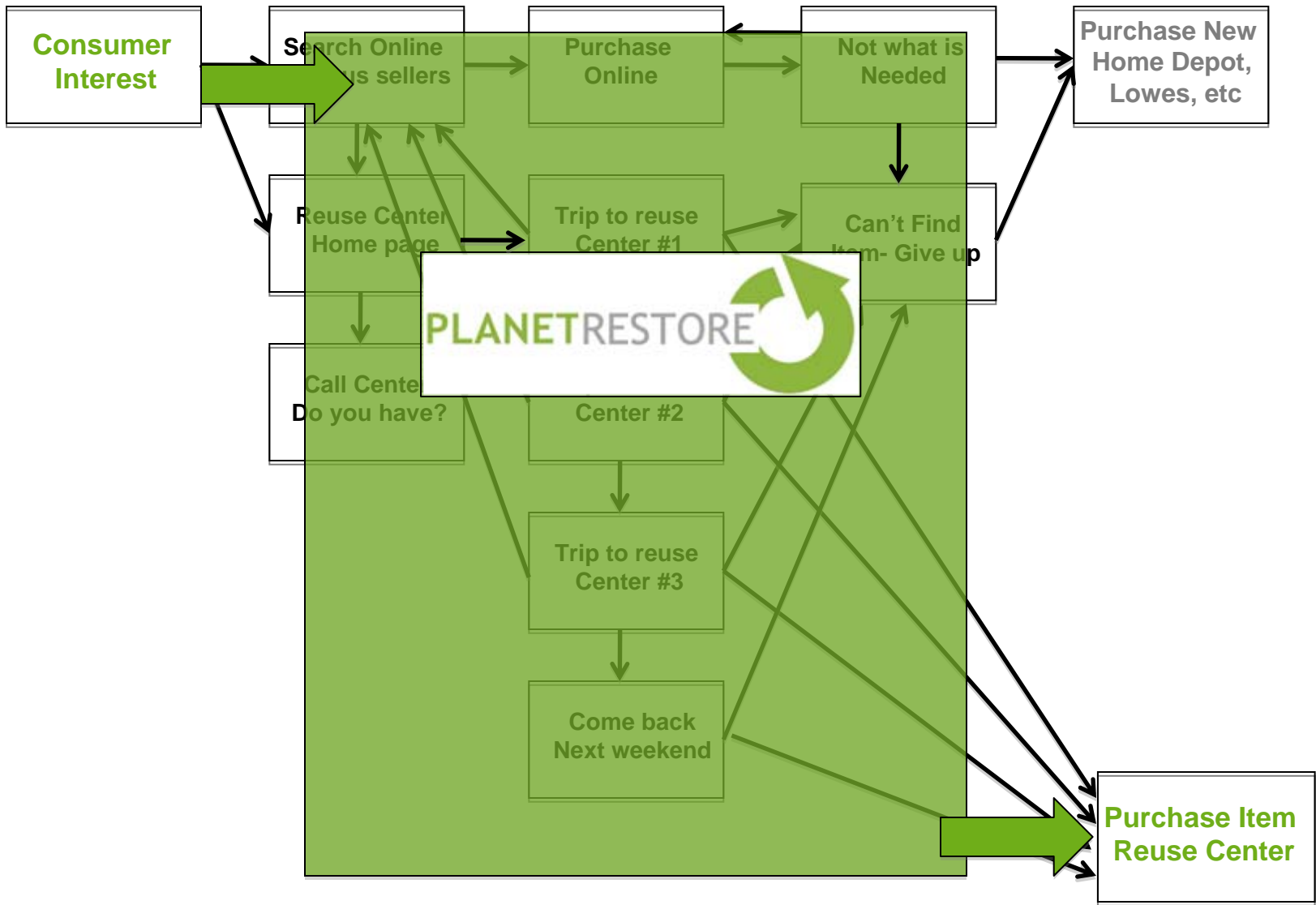
# The Materials Reuse Industry

What does the  
**future** look like?



850 + reuse centers

Increasing 15 - 20% / year



# Here's How:

- Handheld Smart Phone Apps
- Online Inventory System
- Point of Sale (POS)
- Training
- Marketing



# PLANETRESTORE

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## Q: So what can I do to change the process to help reuse more materials (on commercial projects and beyond ?

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- Reuse Development phase - add it to your process on every project
- Communicate material availability
- Think outside of the “wood box”
- Consider alternate uses for readily available materials
- Design for deconstruction





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thank you

**Nathan Benjamin**

[nbenjamin@planetreuse.com](mailto:nbenjamin@planetreuse.com)

[www.planetreuse.com](http://www.planetreuse.com)

Office: 816-298-7947